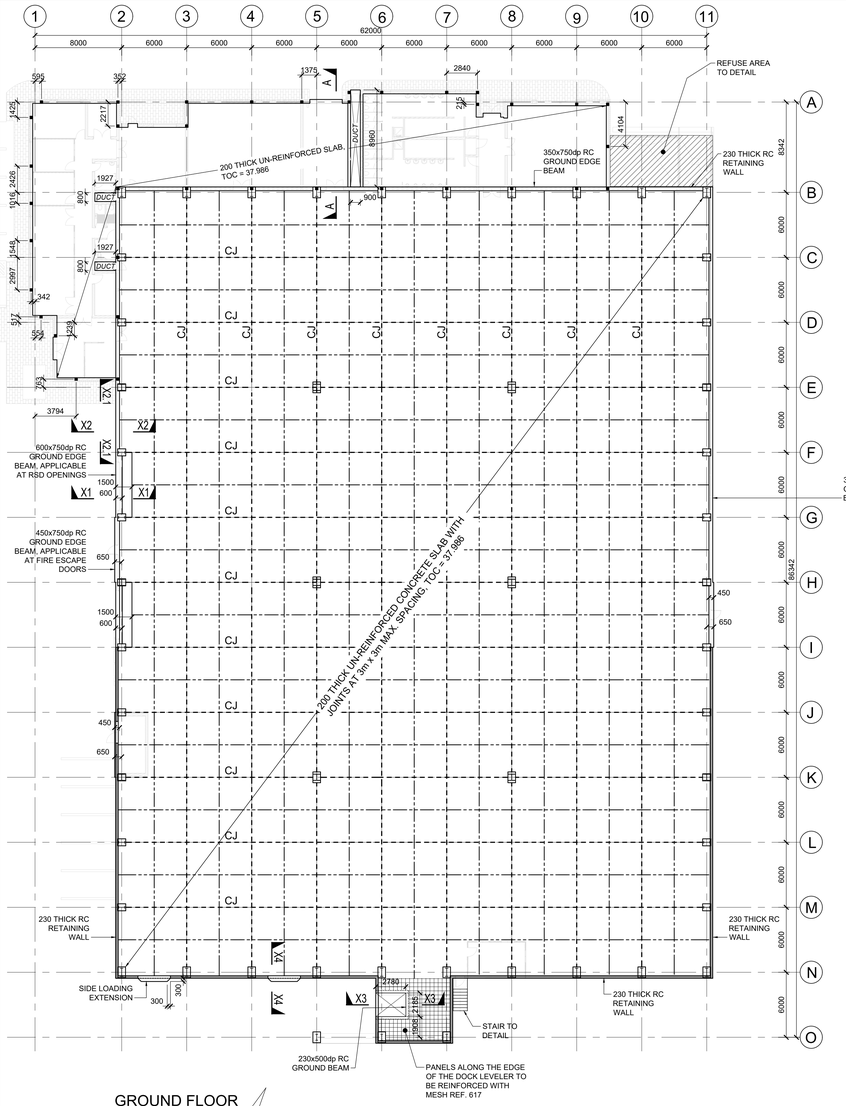
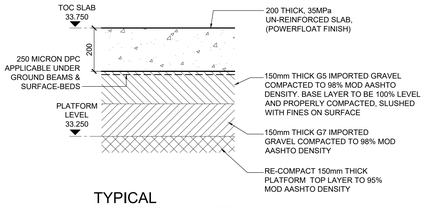
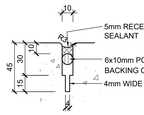


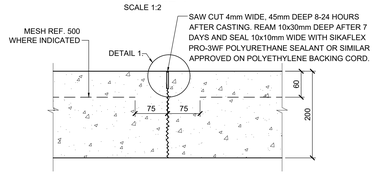
GROUND FLOOR LAYOUT
SCALE 1:200



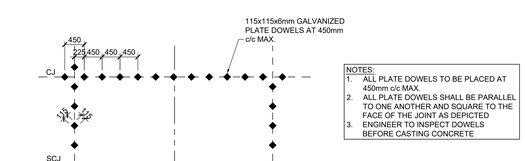
TYPICAL LAYERWORKS DETAIL
N.T.S



DETAIL 1
SCALE 1:2

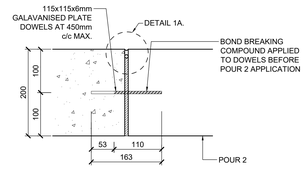


SAW-CUT JOINT (SCJ)
SCALE 1:5

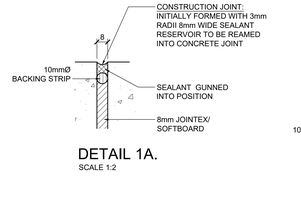


NOTES:
1. ALL PLATE DOWELS TO BE PLACED AT 450mm c/c MAX.
2. ALL PLATE DOWELS SHALL BE PARALLEL TO ONE ANOTHER AND SQUARE TO THE FACE OF THE JOINT AS DEPICTED
3. ENGINEER TO INSPECT DOWELS BEFORE CASTING CONCRETE

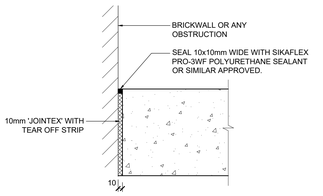
DIAMOND PLATE DOWEL GENERAL ARRANGEMENT PLAN
N.T.S



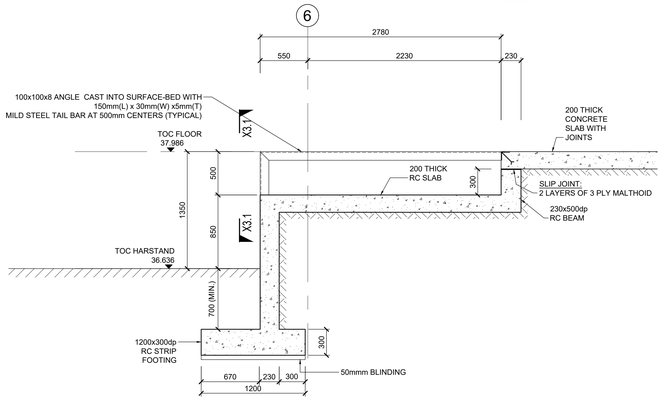
200 THICK SLAB: EXPANSION PLATE DOWEL CONSTRUCTION JOINT SEALED DETAIL
SCALE 1:5



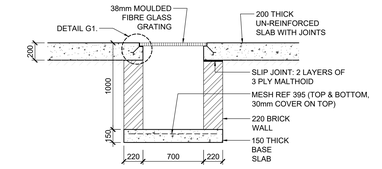
DETAIL 1A.
SCALE 1:2



ISOLATION JOINT (IJ)
SCALE 1:5

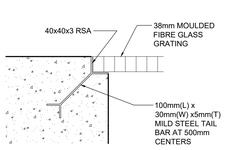


SECTION X3-X3
SCALE 1:25

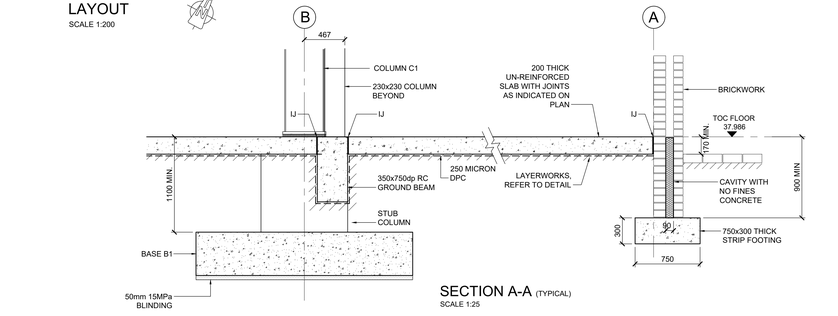


ELEVATION X3.1-3.1
SCALE 1:25

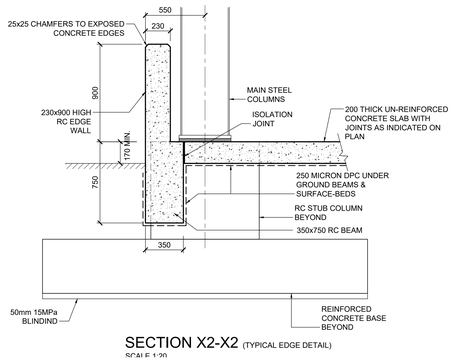
SERVICES DUCT RECESS TYPICAL SECTION
SCALE 1:25



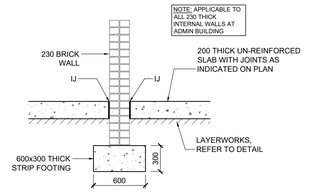
DETAIL G1
SCALE 1:5



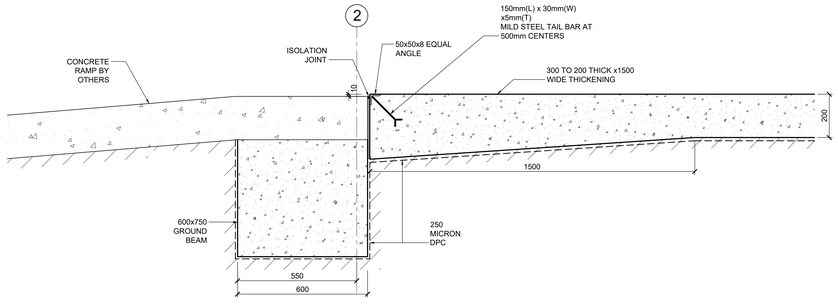
SECTION A-A (TYPICAL)
SCALE 1:25



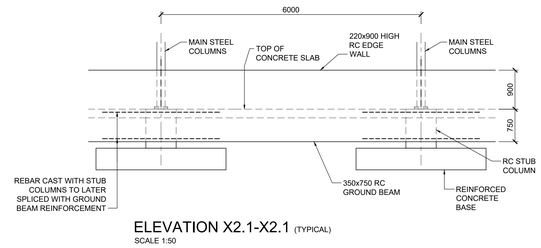
SECTION X2-X2 (TYPICAL EDGE DETAIL)
SCALE 1:20



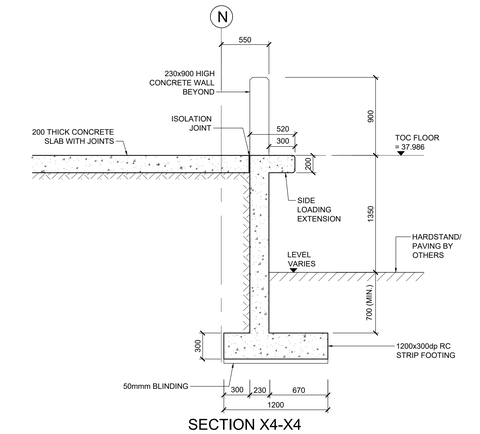
600x300 STRIP FOOTING SECTION
SCALE 1:25



SECTION X1-X1
(TYPICAL EDGE DETAIL ALONG ROLLER SHUTTER DOOR OPENINGS)
SCALE 1:10



ELEVATION X2.1-X2.1 (TYPICAL)
SCALE 1:50



SECTION X4-X4
SCALE 1:25

LEGEND
- CJ (CONSTRUCTION JOINT)
- SCJ (SAW-CUT JOINT)
- IJ (ISOLATION JOINT), APPLICABLE AGAINST ANY OBSTACLE

NOTES
1. CONCRETE MIX:
   - 35MPa/19mm STONE LOW W/C RATIO (±0.51)
2. THE FLOOR SHALL NOT BE CAST PRIOR TO APPROVAL OF SUB-BASE COMPACTION
3. FORMED SURFACES TO BE SMOOTH OFF-SHUTTER
4. SMOOTH POWERFLOAT FINISH TO TOP OF SLAB
5. CONCRETE SLABS SHALL BE WET CURED FOR 5 DAYS
6. ALL JOINTS TO BE SEALED WITH POLYSULPHIDE SEALANT
7. FM3 FINISH FOLLOWED BY A MECHANICAL GRIND TO EXPOSE AGGREGATE IN ORDER TO APPLY AN IMPACT AND CHEMICALLY RESISTANT SELF-LEVELLING SLURRY, POLYURETHANE MORTAIR SYSTEM CONSISTING OF A URETHANE-UREA BINDER PIGMENTS AND GRADED QUARTS AGGREGATES OR SIMILARLY APPROVED, APPLIED AT A THICKNESS OF 4mm AS PER MANUFACTURES SPECIFICATIONS (COLOUR LIGHT GREY).
8. SAW-CUT JOINTS SHALL BE DONE AS SOON AS CONCRETE IS FIRM ENOUGH NOT TO DAMAGE THE EDGES, USUALLY BETWEEN 6 TO 16 HOURS BUT NOT LATER THAN 48 HOURS. JOINTS TO BE REPEATED IN FINISHED SURFACES SPACING AT 3m c/c

General Notes:
- All dimensions and levels are to be checked on site by the Contractor and discrepancies must be reported to the Architect before any work commences.
- This drawing is to be read in conjunction with all other drawings including those of Consultants and/ or Bills of Quantities and/or specification issued for this project.
- Scaled dimensions are not to be used for construction. Should there be any discrepancies or lack of dimensions the Architects are to be contacted for clarification.
- Only drawings numbered 300 WD and upwards and showing the latest revisions are to be used for construction. All previously issued drawings are to be destroyed.
- This drawing is only to be used for the project and site for which it was prepared.
- No setting out is to commence before the positions of the boundary pegs on the site have been verified by a Land Surveyor.
- The Engineers reserve the copyright on this drawing.

PROJECT TEAM

Project Managers:
Engineering Advice & Services
73 Heugh Road
Walmer, Port Elizabeth
T - 041 581 2421
C - 082 787 9976
Marcus Niemand
marcus@easpe.co.za

Principal Agent / Architect:
Intsika Architects
1st Floor, Office 4A
Leadwood House,
Cedar Square, Bonza Bay Road,
Beacon Bay, East London 5241
T - 043 726 7786
C - 082 872 8748
Rob Gillard
rob@intsika.co.za

Quantity Surveyors:
Pulana Baxter & Associates
30 Chamberlain Road, Berea
East London 5241
T - 043 721 0984
C - 073 019 1810
Inga Jakavula
inga@pba.co.za

Structural Engineers:
ZNM Consulting Engineers
8A Bonza Bay Road,
Beacon Bay East London 5241
T - 087 350 4035
C - 079 895 0558
Mzukisi Mashaba
mzukisi@znmeng.co.za

Civil Engineers:
CSE Consulting Engineers
7B Derby Road, Berea
East London 5241
T - 043 726 3565
JPC van Wyk
el@cse-consult.co.za

Electrical & Mechanical Engineers: Carifro Consulting Engineers
T - 043 743 8266
C - 082 900 7514
Mechele Rivarola
mikeriv@carifro.co.za

Drawing Revisions:

Revision	Date	Drawn By	Description
A	29.03.2021	AJ	ISSUED FOR TENDER

Client:
east london idz
business streamlined

Client Approval

Discipline
STRUCTURAL:
ZNM Consulting Engineers

Project Title
MANUFACTURING FACILITY IN ZONE 1A
EB - DRG - 11 - 20 - Z1A

Drawing Name
Working Drawings:
Surface-bed Layout & Details

Issue Date:	04.12.2020
Technician:	AJ
Checked By:	MM
Drawing Scale:	as shown

Drawing Number: **3002**
Size: A0
Revision: **A**

ISSUED FOR: TENDER